

AMENDMENTS TO THE SPECIFICATION

Page 1, Title: APPARATUS AND METHOD FOR DISPENSING FLUID, ~~IN PARTICULAR FOR MEDICAL USE~~

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Page 1, insert the following paragraph after the Title:

Technical Field

10       The invention relates to apparatus for dispensing fluid and, more particularly, a suspended pressure bag containing the fluid, a measuring device to detect weight or changes therein, a pump for maintaining pressure in the bag and connecting means.

15   Add the following subtitles as indicated below:

Page 1, line 1:

Background of the Invention

20   Page 1, 7:

Disclosure of the Invention

Page 4, line 30:       ~~In the drawing,~~

Brief Description of the Drawings

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Page 5, line 16:

Best Mode for Carrying Out the Invention

Amend the following paragraphs:

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Page 5, line 16:

35       In this description, identical or corresponding parts have identical or corresponding reference numerals. The exemplary embodiments shown should not be construed to be ~~limitative~~ limiting in any manner and serve merely as illustration. In particular also combinations of parts of the apparatus shown fall within the framework of the invention as outlined by the claims. Unless expressly indicated otherwise,

values included in this description such as dimensions, weights, positions and the like should not be construed to be ~~limitative~~ limiting and not be ~~explained~~ construed strictly.

5 Page 5, line 24:

In Fig. 1, in perspective view, an embodiment of an apparatus 1 according to the invention is shown, suspended from an IV pole 2 with a bracket 3. From the bracket 3, a housing 4 is suspended forming a main unit. On this housing 4, a  
 10 suspension hook 5 is provided, in Fig. 1 at the underside, from which hook 5 a pressure bag 6 is suspended. The hook 5 is attached to a load cell 7, as will be discussed hereinbelow. In the housing 4, a regulating unit ~~it~~ is provided, for instance an electronic connection with a battery or different feed, with  
 15 which the apparatus 1 can be operated. Furthermore, in the housing 4, a wireless communication device 9, in particular of the Bluetooth® type, is provided allowing communication between the unit 8 and peripheral equipment 10 (see Fig. 4) such as, for instance, a computer with which the apparatus 1 can be  
 20 programmed and/or data can be read out and/or the apparatus 1 can be operated. In Fig. 1, at the front of the housing 4, a display 11 is provided as well as an interface 12 comprising operating buttons 13 with which the apparatus 1 can ~~(also)~~ also be operated on the housing 4 itself.

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Page 6, line 10:

On the bracket 3, further, a flow control unit 14 is attached comprising a casing 15 having a driving motor 16 therein (see Fig. 4), as well as a tap 17 which can be attached  
 30 in the casing 15 to the driving motor 16 by coupling means, as shown in Fig. 5. To that end, the driving motor 16 comprises first coupling means, shown in Fig. 5 simply as a rectangular lip 19, while the rotating body 18 is provided at the underside with a recess 20 matching the lip 19 and forming the second  
 35 coupling means. With this, the rotating body 18 and hence the tap 17 can be connected to the driving motor 16 and, with the aid of the motor 16, be rotated about a rotation axis 21. In the rotating body 18 a passage 21 is provided having,

preferably, a noncircular cross-section. In the embodiment shown this is a somewhat egg-shaped passage. In the embodiment shown, the tap 17 is a ball tap, at least a cylinder tap type, the passage being regulated through rotation of the rotating  
5 body 18 relative to a tap body 23, schematically represented in Fig. 5 in interrupted lines. This body 23 comprises, for instance, a cylindrical passage 24 while the passage 22 can be pivoted wholly or partly in front of it or away from it. Such taps are sufficiently known per se. With the tap 17 according  
10 to the invention, the passage 22 has a non-circular cross section while through rotation of the body 18 about the axis 21, a non-linear relation is obtained between the rotation and the passage surface. Thus, particularly accurate regulation can take place, also with small flow rates.

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Page 7, line 1:

The pressure bag 6 comprises a rigid outer casing 25 with an at least partly flexible fluid container 26 (see Fig. 6) included therein, in particular a fluid bag defining a closed  
20 off volume and provided at the underside, in a customary manner, with a discharge tube 27 connected to the tap 17. From the tap 17, a further tubing 36 extends to, for instance, an IV needle, catheter or the like. In the embodiment shown in Fig. 1, the outer casing 25 is double-walled, while the outer wall is  
25 relatively rigid and is provided on the inside, in a customary manner, with an inflatable wall. Preferably, the fluid container 26 is disposable. At the top side of the pressure bag shown in Fig. 1, two connections 28 are provided ending up in the space within the double wall of the outer wall 25, and which  
30 can be connected to second connections 29 on the housing 4, which second connections 29 are in communication with a pump 30 within the housing 4. Through operation of the pump 13 with the aid of the regulating unit 8, with it, a pressure fluid can be introduced via the connecting means 28,29 (shown separately in  
35 Fig. 1) into the pressure bag 6, in the double wall 25, so that the fluid container 6 is compressed. With the aid of the regulating unit 8, the pump 30 can each time be operated such that the pressure in the fluid container 26 is always kept at a

desired value, for instance always equal. The pump 30 can then be used as the measuring instrument for measuring the pressure, but a separate pressure meter 31 can be included too.

5 Page 7, line 22:

In Fig. 6, in cross-sectional side view, schematically, a pressure bag 6 according to the invention is shown in an alternative embodiment. Here, a bag-shaped fluid container 26 is provided, enclosed by a second, somewhat bag-shaped outer container 25 designed so as to be rigid relative to the fluid container. Between the fluid container 26 and the outer container 25, a pressure space 32 is provided in which the connecting means 28 end up. At the underside, the tube 27 is attached in a customary manner or is an integral part of the pressure bag 6. This is a bag-in-bag or a bag-in-box type pressure bag. Preferably, this is a disposable. The connecting means 28 and 29 can be provided with specific compatible couplings 37 (see Fig. 1), designed such that only compatible pressure bags 6 can be used. In this manner, the safety is considerably increased.